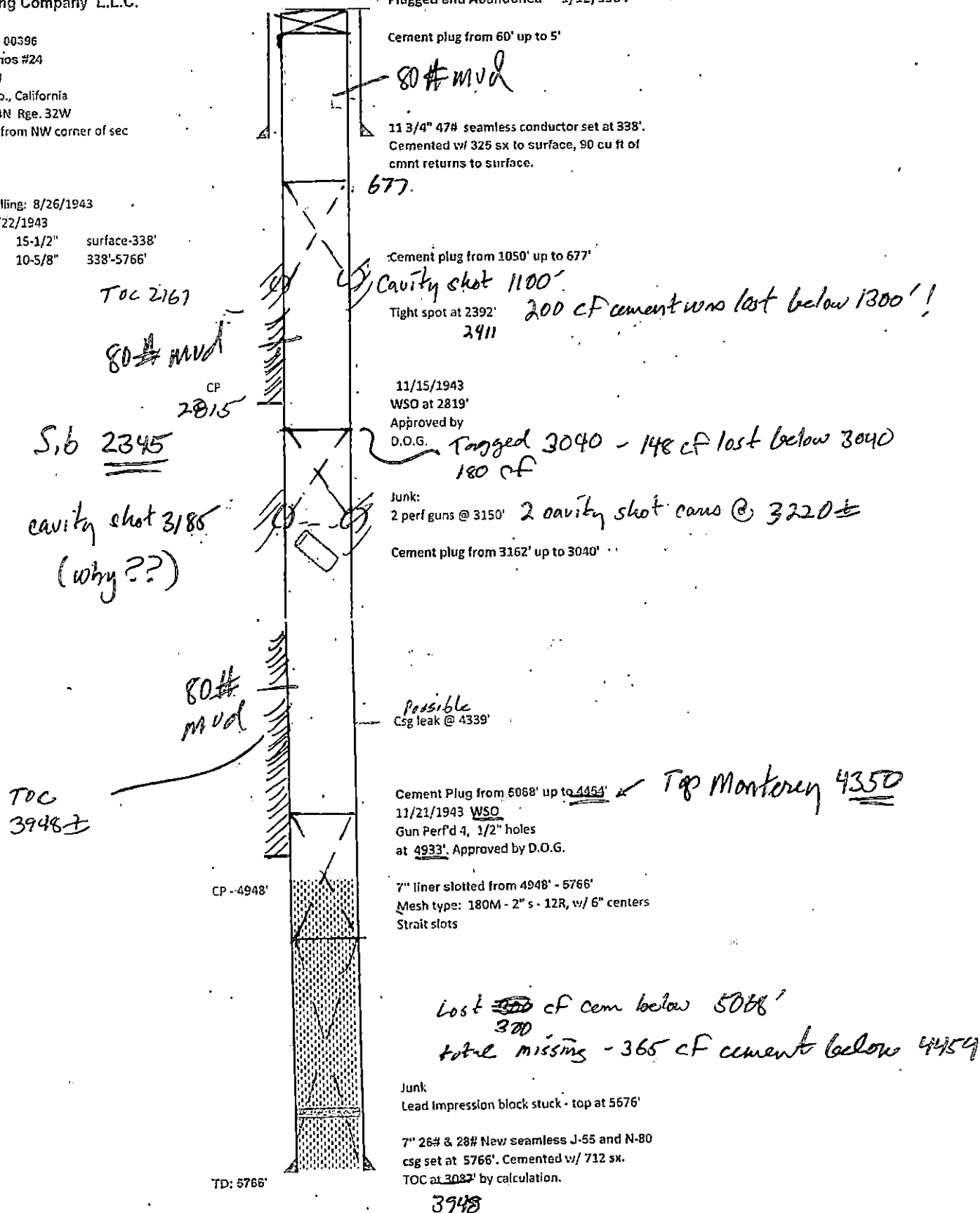


ERG Operating Company L.L.C.

API: 0-1-083 - 00396
Well: Los Alamos #24
Cat Canyon Field
Santa Barbara Co., California
Sec. 31 Twp. 34N Rge. 32W
S610'S & 1650E from NW corner of sec
KB: 10'
GL: 1020'
DF:

Commenced Drilling: 8/26/1943
Completed: 11/22/1943
Bit Record: 15-1/2" surface-338'
10-5/8" 338'-5766'


Plugged and Abandoned - 1/12/1984



Not to scale

We have the issue of injection water getting into S. siroco sands;
BPR is protected.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District: 3 - SANTA MARIA	
Former owner Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>Sec. 4, T. 8N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-2)" 13 (083-00451) <u>Sec. 5, T. 8N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-2)" (See attached list) <u>Sec. 6, T. 8N, R. 32W S.B. B&M</u> "Los Alamos" (See attached list) <u>Sec. 7, T. 8N, R. 32W S.B. B&M</u> "Los Alamos" (See attached list) <u>Sec. 18, T. 8N, R. 32W S.B. B&M</u> (Field Santa Barbara Co.) "Los Alamos" 200 (083-20412) <u>Sec. 18, T. 9N, R. 32W S.B. B&M</u> "Williams Holding Co." C.H. 1 & C.H.3 <u>Sec. 30, T. 9N, R. 32W S.B. B&M</u> "Fugler" (See attached list) <u>Sec. 31, T. 9N, R. 32W S.B. B&M</u> "Drumm", "D-WF", Gwinn Fee", "Los Alamos", "Williams Holding", "Williams Recruit" (See attached list)</p> </div> <div style="width: 48%;"> <p><u>Sec. 32, T. 9N, R. 32W S.B. B&M</u> "W.P. Hammon Fee B (NCT-1)" 1 & 3 <u>Sec. 1, T. 8N, R. 33W S.B. B&M</u> "Los Alamos" (See attached list) <u>Sec. 12, T. 9N, R. 33W S.B. B&M</u> "G.W.P." (See attached list) <u>Sec. 13, T. 9N, R. 33W S.B. B&M</u> "G.W.P." (See attached list) "Standard" 1 (083-01397) <u>Sec. 23, T. 9N, 33W S.B. B&M</u> "G.W.P." (See attached list), "Palmer Stendel" 66-23 (083-01123) <u>Sec. 24, T. 9N, 33W S.B. B&M</u> "G.W.P." (See attached list), "GWP-RF", "Palmer Stendel" 1-24 (083-01151), "WH-GWP-RF" 408 (083-20843) <u>Sec. 25, T. 9N, 33W S.B. B&M</u> "G.W.P." 367-24 (083-22114)</p> </div> </div>			
SEE PAGE 2			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.	Operator code E0255	Type of Organization Corporation
	Address 600 Travis, Suite 7050 Houston, TX 77002		Telephone No. (713) 812-1800
Reported by ERG Operating Company, LLC			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

OPERATOR STATUS ABBREVIATIONS

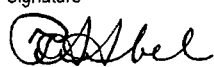
PA - Producing Active		FORM AND RECORD CHECK LIST				
		Form or record	Initials	Date	Form or record	Initials Date
NPA - No Potential Active		Form OGD121	CB	7/21/10	Map and Book	PA
PI - Potential Inactive		Well records	CB	7/21/10	Lease Files	CB 7/21/10
NPI - No Potential Inactive		New well cards			Well Stat	CB
Ab - Abandoned or No More Wells		Bond Status			District Computer Files	CB 7/21/10
PAA:cb		Annual Report	CB	7/21/10		
cc: ERG Operating Co. LLC						
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

53

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District: 3 - SANTA MARIA	
Former owner Chevron U.S.A. Inc.		Opcode: C5640	Date: July 19, 2010
Name and location of well(s)			
<p>Sec. 1, T. 8N, R. 33W S.B. B&M "Climax" 1 (083-00380) Sec. 25, T. 9N, R. 33W S.B. B&M "GWP-RF" (See attached list) "Recruit Fee", "WH-F", "WH-GWP", "WH-RF", "Williams Holding", "Williams Holding Co." 1 (083-00729), "Williams Recruit" 2 & 3 (See attached list) Sec. 36, T. 9N, R. 33W S.B. B&M "D-WF" 382 (083-22180), "Los Alamos", "WF-LA" 704-36 (083-21126), "WH-LA" 308 (083-21003) "Williams Fee", "Williams Holding" 368-25 (083-22122)</p> <p>SEE ATTACHED LIST FOR LISTING OF ALL WELLS INCLUDED IN TRANSFER.</p>			
Description of the land upon which the well(s) is (are) located Cat Canyon Field, Santa Barbara County, CA			
Date of transfer, sale, assignment, conveyance, or exchange 4-29-2010	New Owner ERG Operating Company, LLC.	Operator code E0255	Type of Organization Corporation
	Address 600 Travis, Suite 7050 Houston, TX 77002		Telephone No. (713) 812-1800
Reported by ERG Operating Company, LLC.			
Confirmed by Chevron U.S.A. Inc.			
New operator new status PA	Request Designation of Agent		
Old operator new status PA	Remarks Acquiring company has a blanket bond.		
Deputy Supervisor Patricia A. Abel		Signature 	

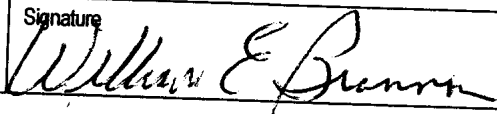
OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	CB		Map and Book		
NPI - No Potential Inactive	Well records	CB		Lease Files	CB	
Ab - Abandoned or No More Wells	New well cards			Well Stat	CB	
PAA:cb	Bond Status			District Computer Files	CB	
cc: ERG Operating Co. LLC	Annual Report	CB				
Chevron U.S.A. Inc.						

Santa Barbara County
Cons. Committee - Transfer File - Harold Bertholf - Helen Jan

OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

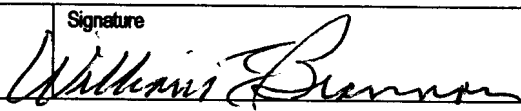
Field or county See below		District: 3 - SANTA MARIA	
Former owner ChevronTexaco Exploration & Production Company		Opcode:	Date September 23, 2005
Name and location of well(s)			
All Wells			
Description of the land upon which the well(s) is (are) located			
All wells			
Date of transfer, sale, assignment, conveyance, or exchange 7-11-2005	New Owner Chevron U.S.A. Inc.		Operator code C5640
	Address PO Box 1392 Bakersfield, CA 93302		Type of Organization Corp.
Reported by ChevronTexaco Exploration & Production Company			Telephone No. (661) 654-7065
Confirmed by Chevron U.S.A. Inc.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks THIS IS A NAME CHANGE ONLY <div style="text-align: right;">Includes abandoned wells</div>		
Deputy Supervisor William E. Brannon		Signature 	

OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
PI - Potential Inactive	Form OGD121	W	9/23/05	Map and Book	W	9/23/05
NPI - No Potential Inactive	Well records	W	9/23/05	Lease Files		
Ab - Abandoned or No More Wells	New well cards			Well Stat	W	9/23/05
WEB:hc	Bond Status	W	9/23/05	District Computer Files		
cc: ChevronTexaco E&P Co.						
Chevron U.S.A. Inc.						
Santa Barbara County						
Cons. Committee						
Harold Bertholf						

Transfer File
HQ

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county Cat Canyon		District 3 - SANTA MARIA	
Former owner Texaco Exploration & Production Inc.		Opcode: T1600	Date November 22, 2002
Name and location of well(s)			
<u>Sec. 5, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 7, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 2, T. 9N, R. 33W, SB B&M</u> *All Wells	
<u>Sec. 6, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 30, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 3, T. 9, R. 33W, SB B&M</u> All Wells	
<u>Sec. 7, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 31, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 10, T. 9N, R. 33W, SB B&M</u> All Wells	
<u>Sec. 16, T. 8N, R. 32W, SB B&M</u> All Wells	<u>Sec. 32 T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 11, T. 9N, R. 33W, SB B&M</u> All Wells	
<u>Sec. 12, T. 8N, R. 33W, SB B&M</u> All Wells	<u>Sec. 1, T. 8N, R. 33W, SB B&M</u> All Wells	<u>Sec. 12, T. 9N, 33W, SB B&M</u> All Wells	
<u>Sec. 6, T. 9N, R. 32W, SB B&M</u> All Wells	<u>Sec. 1, T. 9N, R. 33W, SB B&M</u> *All Wells	<u>Sec. 13 T. 9N, R. 33W, SB B&M</u> All Wells	
Description of the land upon which the well(s) is (are) located			
Date of transfer, sale, assignment, conveyance, or exchange 08-22-02	New Owner ChevronTexaco Exploration & Production Company		Operator code C5680
	Address 5001 California Ave. Bakersfield, CA 93309		
		Type of Organization Corp.	Telephone No. (661) 395-6445
Reported by Texaco Exploration & Production Inc.			
Confirmed by ChevronTexaco Exploration & Production Co.			
New operator new status (status abbreviation) PA	Request Designation of Agent		
Old operator new status (status abbreviation) PA	Remarks		
Deputy Supervisor William E. Brannon		Signature 	

OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST					
	Form or record	Initials	Date	Form or record	Initials	Date
NPA - No Potential Active	Form OGD121	HC	11-02	Map and Book	PBA	11-02
PI - Potential Inactive	Well records	DM	11-02	Lease Files		
NPI - No Potential Inactive	New well cards	DN	11-02	Well Stat	HC	
Ab - Abandoned or No More Wells	Bond Status			District Computer Files		
WEB:hc						
cc: Cons. Committee						
Harold Bertholf						

Texaco E & P Inc.
ChevronTexaco E & P Co.
OGD156 (Modified 1/00)

REPORT OF WELL ABANDONMENT

(805) 925-2686

Santa Maria, California

March 6, 1984

R. O. Callaway, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Your report of abandonment of well "Los Alamos" 24
(Name and number)

A.P.I. No. 083-00396, Section 1, T. 8N, R. 33W, S.B. B. & M.,

Cat Canyon field, Santa Barbara County,

dated 1-25-84, received 3-1-84, has been

examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

Date of environmental inspection: 1-19-84.

dv

cc: Conservation Committee
Update

M. G. MEFFERD

State Oil and Gas Supervisor

By

K. P. Henderson
Deputy Supervisor

K. P. Henderson

DIVISION OF OIL AND GAS
CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Getty Oil Company Well No. "Los Alamos" 24
API No. 083-00396 Sec. 1, T. 8N, R. 33W, S.B. B.&M.
County Santa Barbara Field Cat Canyon

<u>RECORDS RECEIVED</u>	<u>DATE</u>
Well Summary (Form OGI00)	<u>3-1-84</u>
History (Form OGI03)	<u>3-1-84</u>
Core Record (Form OGI01)	
Directional Survey	
Sidewall Samples	
Other	
Date final records received	
Electric logs:	

<u>STATUS</u>	<u>STATUS</u>
Producing - Oil	<input type="checkbox"/> Water Disposal
Idle - Oil	<input type="checkbox"/> Water Flood
Abandoned - Oil	<input checked="" type="checkbox"/> Steam Flood
Drilling - Idle	<input type="checkbox"/> Fire Flood
Abandoned - Dry Hole	<input type="checkbox"/> Air Injection
Producing - Gas	<input type="checkbox"/> Gas Injection
Idle - Gas	<input type="checkbox"/> CO2 Injection
Abandoned - Gas	<input type="checkbox"/> LPG Injection
Gas-Open to Oil Zone	<input type="checkbox"/> Observation
Water Flood Source	
DATE	<u>1/12/84</u>
RECOMPLETED	
REMARKS	

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.)
2. Electric Log
3. Operator's Name
4. Signature
5. Well Designation
6. Location
7. Elevation
8. Notices
9. "T" Reports
10. Casing Record
11. Plugs
12. Surface Inspection
13. Production
14. E Well on Prod. Dir. Sur.

Date of Environmental
1/19/84

CLERICAL CHECK LIST

1. Location change (F-OGD165)
2. Elevation change (F-OGD165)
3. Form OGD121
4. Form OGI59 (Final Letter) 3-6-84
5. Form OGD150b (Release of Bond)
6. Duplicate logs to archives
7. Notice of Records due (F-OGD170)

Type final letter

RECORDS NOT APPROVED

Reason:

RECORDS APPROVED

RELEASE BOND

Date Eligible

(Use date last needed records were received.)

MAP AND MAP BOOK

3/10/84

Getty Oil Company

RANGE OF WELL STATUS REPORT

SECTION 1	TOWNSHIP 8N	RANGE 33W	B & M SB	LOCATION 5610'S & 1650'E from NW corner of Section 1
DISTRICT Ventura		AREA Santa Maria	LEASE & WELL Los Alamos 24	FIELD Cat Canyon
COUNTY AND STATE Santa Barbara, California			OPERATOR Getty Oil Company	GOC FILE NO. GOC WORKING INT.

TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> GAS	TYPE OF COMPLETION <input type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE	OTHER PRODUCING WELLS ON LEASE OR UNIT <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> OIL <input type="checkbox"/> GAS
---	---	--

DATE OF CHANGE 1-11-84	REASON FOR STATUS CHANGE	METHOD OF COMPLETION
---------------------------	--------------------------	----------------------

<input type="checkbox"/> OIL COMPLETION (FIRST FORMATION OIL PRODUCED) <input type="checkbox"/> GAS COMPLETION <input type="checkbox"/> RE-COMPLETION <input type="checkbox"/> INITIAL PRODUCTION	<input type="checkbox"/> RESUMPTION OF PRODUCTION <input type="checkbox"/> CESSATION OF PRODUCTION <input type="checkbox"/> IDLE <input checked="" type="checkbox"/> PLUGGED & ABANDONED	<input type="checkbox"/> PUMP <input type="checkbox"/> GAS LIFT <input type="checkbox"/> FLOW <input type="checkbox"/> INJECTION WATER _____ GAS _____
---	---	--

WELL DATA				PRODUCTION TEST DATA								
PRODUCING ZONE	PERFS. (sl,gp,ip)	PRODUCTION INTERVAL		BOPD	GAS MCFPD	CHOKE /64"	TP	CP	TRAP PRESSURE	GOR OR CONDENSATE YIELD	CUT	API GRAVITY
		FROM	TO									
Miocene	sl	4948'	5766'									

IF CHANGE OF STATUS IS DUE TO CESSATION OF PRODUCTION, WHAT ARE THE PLANS TO RESTORE PRODUCTION, AND ON WHAT DATE IS PRODUCTION EXPECTED TO BE RESTORED?

--	--	--	--	--	--	--	--	--	--

REASON FOR PLUG & ABANDONMENT Suspected holes in casing - casing damaged.

TOTAL DEPTH: 5766' PLUGGED DEPTH: _____ GROUND ELEVATION: 1020' POINT OF DEPTH MEASUREMENT KB 10 FT. ABOVE GROUND

SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECOND HAND	GRADE	SIZE OF HOLE DRILLED	NUMBER OF SACKS CEMENT	W S O DEPTS	CASING PACKER DEPTHS (IF ANY)
11-3/4"	338'	Surface	47#	ABANDONED CASING					
7"	5766'	Surface	26#/28#			9-7/8"			

JUNK:

47

REMARKS:	TITLE R.O. Callaway, Agent	DATE January 25, 1984
----------	-------------------------------	--------------------------

DISTRIBUTION: DISTRICT PRODUCTION MANAGER, DIVISION PRODUCTION MANAGER, DIVISION EXPLORATION MANAGER, PRODUCTION ACCOUNTING, LEASE RECORDS-PRODUCING PROPERTIES, DIVISION OF OIL & GAS (COMPLETIONS, RECOMPLETIONS AND ABANDONMENTS ONLY), CONSERVATION COMMITTEE OF CALIFORNIA OIL PRODUCERS (COMPLETIONS AND RECOMPLETIONS ONLY).

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS
RECEIVED

DIVISION OF OIL AND GAS

MAR 1 1984

History of Oil or Gas Well

Santa Maria, California

Operator Getty Oil Company Field Cat Canyon County Santa Barbara
Well Los Alamos 24 , Sec. 1 , T. 8N , R. 33W , SB. B. & M.
A.P.I. No. 083-00396 Name R.O. Callaway Title Agent
Date January 25 , 19 84 (Person submitting report) (President, Secretary or Agent)

Signature R.O. Callaway
for R.O. Callaway, Agent
(805) 643-2154
(Telephone Number)

P.O. Box 811, Ventura, California 93001
(Address)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

- 1-3-84 Workover hoist moved in and rigged up. Rigged up mud pump. Pumped 240 bbls lease water in well, no circulation. Unlanded head, worked stuck pipe free. Installed BOPE. Pulled 64 jts (2004') tubing, packer hung up. Could not work up or down or rotate. (Packer at 2864'). Shut down.
- 1-4-84 Attempted 2 runs with chemical cutter - no results. Rigged up new chemical cutter and cut tubing off at 2501'. Pulled tubing fish. Ran in hole with fishing tools, stopped in bad spot in casing at 2411'. Pulled out of hole. Shut down.
- 1-5-84 Ran 4-5/8" overshot, worked over fish at 2501'. Worked fish up and down hole for 72'. Unable to work free either direction. Could not release fishing tool. Ran in hole with string shot but could not get through fishing tools. Pulled string shot, worked pipe free. Pulled and recovered tubing and packer. Ran kill string. Shut down.
- 1-6-84 Pulled out of hole with kill string. Ran in hole with tools and pulled out of hole laying down. Ran in hole with 91 jts of 2-7/8" tubing to 5068'. With mud pump cleared tubing with 20 bbls lease water. Rigged up cementers and pumped 15 bbls fresh water ahead followed with 100 cu.ft. Class "G" with 2% CaCl. Displaced with 143 cu.ft. fresh water. Tubing on vacuum. Pulled out of hole with 32½ stands and closed well in until AM.
- 1-7-84 Ran in hole with tubing to 5068' - did not tag cement. Rigged up cementers and pumped 10 cu.ft. fresh water ahead followed by 200 cu.ft. Class "G" with 2% CaCl, displaced with 125 cu.ft. fresh water. Tubing on vacuum. Pulled tubing clear and waited 8 hours. Ran in hole to 5068' - did not tag cement. Rigged up cementers and pumped 10 cu.ft. fresh water ahead followed by 200 cu.ft. Class "G" with 2% CaCl and displaced with 125 cu.ft. fresh water. Pulled out of hole to 3177' and cleared tubing. Closed well in.
- 1-8-84 Ran in hole, tagged top of cement plug at 4454'. D.O.G. witnessed and approved tagging of plug. Pumped in 170 bbls 80 lb. mud. Pulled out of hole. Rigged up wireline company and ran cavity shot, stopped at 3220'. Tried to set off charge - no good. Pulled wire line, left charge in hole. Ran 2nd cavity shot, charge failed, left charge in hole. Pulled out of hole and rigged down wireline company. Shut down.
- 1-9-84 Rigged up new wireline company. Ran in hole, could not get below 3185'. Made cavity shot at 3185'. Pulled out of hole, tore out wireline company. Shut down. Repairing hoist.

Division of Oil and Gas
Los Alamos 24
Page -2-

DIVISION OF OIL AND GAS
RECEIVED

MAY 1 1981

Los Alamos, N.M.

- 1-10-84 Ran pipe to 3162', mixed and equalized 180 cu.ft. Class "G" cement plug with 2% CaCl₂. Displaced with 63 cu.ft. fresh water. Pulled out of hole, waited on cement. Ran in hole, tagged top of plug at 3040'. D.O.G. witnessed laying of cement plug and mudding operations. Changed hole over to 80 lb. mud. Pulled out of hole. Rigged up wireline company and made cavity shot at 1100'. Rigged down wireline company. Ran pipe to 1050'. Mixed and equalized 200 cu.ft. Class "G" cement plug with 2% CaCl₂ and displaced with 10 cu.ft. of fresh water. Pulled out of hole and shut down.
- 1-11-84 Ran feeler to 1300' - did not find plug. Pulled to 1050', mixed and equalized 200 cu.ft. Class "G" cement plug with 3-1 perfalite with 2% CaCl₂ and displaced with 10 cu.ft. of fresh water. Pulled out of hole, waited on cement. Ran in hole, tagged top of cement at 677'. D.O.G. approved laying of plug. Tore out BOPE. Pulled out and displaced 60' plug at surface. Rigged down and moved out.

ABANDONED CASING

11-3/4" 47# J-55 C. @ 338'
7" 26# & 28# J-55 and N-80 L. @ 5766'

Casing was cut 4½' below ground level and a steel plate welded on top of casing. County Petroleum Dept. representative witnessed the steel plate on top of casing. Cellar was backfilled and location was cleaned up.

DIVISION OF OIL AND GAS

Report on Operations

(805) 925-2686

R. O. Callaway, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Santa Maria

Calif.

January 23, 1984

Your operations at well "Los Alamos" 24, API No. 083-00396
Sec. 1, T. 8N, R. 33W SB B. & M. Cat Canyon Field, in Santa Barbara County,
were witnessed on 1-12-84 S. Fields, representative of
the supervisor, was present from 1410 to 1415. There were also present C. Samples -
Rig Foreman

Present condition of well: 11 3/4" cem. 338'; 7" ld. 5766', c.p. 4948' & 2819' & OO. W.S.O.,
perf. 4933' W.S.O., perf. 4948' - 5766', cavity shot 1050' & 3150'. Junk: lead
impression block 5676' and 2 perf. guns 3150'. T.D. 5766'. Plugged with cement
5068' - 4454', 3162' - 3040', 1050' - 677' and 60' - 5'.

The operations were performed for the purpose of plugging the hole in the process of abandon-
ment.

DECISION: THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

sfc insp approved PT
1/15/84 Site graded over
no leakage

SAF:dv

M. G. MEFFERD

State Oil and Gas Supervisor

By

Deputy Supervisor

K. P. Henderson

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator Getty Oil Co. Well No. "Los Alamos" 24
API No. 08300396 Sec. 1, T. 8N, R. 33W, 5B B&M
Field Cat Canyon, County Santa Barbara. On Jan 12, 1984
Mr. S. Fields, representative of the supervisor was present from 1410 to 1415.
There were also present C. Samples: Rig Foreman

Casing record of well: 11 3/4" cm. 338'; 7" id. 5766', sp. 4940' & 2819' co. w.s.o., perf. 4933' w.s.o., perf. 4948'-5766', cavity shot (3150' & 1050') Junk: lead impression block: 5676' and 2 Perf. Guns 3150'.
T.D. 5766'. Plugged w/cem. 5068'-4454', 3162'-3040', 1050'-677' and 60'-5'

The operations were performed for the purpose of plugging the hole in the
process of abandonment.

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

cavity shots 3150' & 1050'

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____ " shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): 2 Perf. Guns: 3150 Lead Impression block: 5676

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
<u>Dull & Fluid (20#)</u>	<u>1/7/83</u>	<u>170</u>			<u>3000</u>	<u>SF</u>
<u>" 80#</u>	<u>1/10/83</u>	<u>120</u>			<u>1100</u>	<u>SF</u>

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
<u>1/7</u>	<u>300CF*</u>	<u>+69 @ 5068</u>	<u>rep by Samples</u>		<u>4454</u>	<u>5,000</u>	<u>1/8/84 0922</u>	<u>SF</u>
<u>1/11</u>	<u>180CF</u>	<u>+69 @ 3162</u>	<u>"</u>		<u>3040</u>	<u>"</u>	<u>1/10/84 1702</u>	<u>SF</u>
<u>1/11</u>	<u>400CF**</u>	<u>+69 @ 1050</u>	<u>"</u>		<u>677</u>	<u>all wt</u>	<u>1/11/84 1705</u>	<u>AJR</u>
<u>1/11</u>	<u>27CF</u>	<u>+69 @ 60"</u>	<u>"</u>		<u>SFC</u>	<u>UICED</u>	<u>1/12/84 1412</u>	<u>SF</u>

* Plug placed twice, first 100CF went away
** " " " " 200CF " "

43

MEMORANDUM OF TELEPHONE OR PERSONAL CONVERSATION

Santa Maria, Calif.

January 5, 1984

Operator Getty Well No. Los Alamos 24

Field Cat Canyon Sec. 1 T. 8N R. 3W S. 2 B&M

A telephone conversation was held, concerning above well, with Mr. D. Payne
for above operator on Jan. 5, 1984 at — M.

Details of the conversation were as follows:

1. Operator pulled up packer to 2948' can't get it to come higher or push back down. Top of tubing over packer @ 2585'
2. Operator will plug with 200 CF cement above 2585', then downsqueeze it below the packer, then WOC.
3. Will place more cement @ 2585' and attempt to squeeze again. D.O.G. must tag @ 2985' or higher.

able to pull to packer

Revert to old program

(Signed) Adelbert Noller

Title Associate Oil & Gas Eng.

42

REPORT ON PROPOSED OPERATIONS

(805) 925-2686

128

(field code)

21

(area code)

--

(new pool code)

10

(old pool code)

R. O. Callaway, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

WATER DISPOSAL PROJECT

CAT CANYON FIELD

WEST AREA

MONTEREY ZONE

Santa Maria

December 1, 1983

, California

Your _____ proposal to _____ abandon _____ well _____ "Los Alamos" 24
A.P.I. No. 083-00396, Section 1, T. 8N, R. 33W, S.B. B. & M.,
Cat Canyon field, West area, Monterey pool,
Santa Barbara County, dated 11-28-83, received 11-29-83 has been examined in conjunction with records
filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to Class II 2M requirements is installed and maintained in operating condition at all times.
2. All portions of the hole not plugged with cement are filled with inert mud fluid having a minimum density of 70 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
3. The 7" casing is cement squeezed through perforations or a cavity shot at 1100', leaving at least 100 linear feet of cement inside the 7" casing.
4. The annulus between the 11 3/4" and 7" casings is filled with at least 25 linear feet of cement at the surface.
5. THIS DIVISION IS NOTIFIED:
 - a. To witness the location and hardness of the cement plugs at 4833' or higher, 3495' and 1000'.
 - b. To witness the mudding of the hole.
 - c. To witness the placing of the surface plug or to verify its location.
 - d. To inspect and approve the clean-up of the wellsite before approval of abandonment will be issued.

NOTE:

1. All casings must be removed from at least 5 feet below ground level.

AJK:dv
BLANKET BOND

M. G. MEFFERD, State Oil and Gas Supervisor

By

S. P. Henderson
Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

DIVISION OF OIL AND GAS

NOV 29 1983

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

Santa Barbara County

DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	Blanket		11-29-83

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well Los Alamos 24, API No. 083-00396, Sec. 1, T. 8N, R. 33W, SB B. & M., Cat Canyon Field, Santa Barbara County, commencing work on November 28, 1983.

The present condition of the well is:

1. Total depth: 5766'
2. Complete casing record, including plugs and perforations:

See Attachment

3. Last produced _____
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)
- or
4. Last injected 5/9/79 2300 BPD 1400 PSI
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

The proposed work is as follows:

See Attached program.

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 1320' ± (1050' ± 206')

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811
(Street)
Ventura CA 93001
(City) (State) (Zip)
Telephone Number (805) 643-2154
(Area Code) (Number)

GETTY OIL COMPANY

(Name of Operator)
By R.O. Callaway, Agent
(Signature) 11/28/83
(Date)

Santa Maria, California
November 28, 1983

HOIST WELL PROGRAM
CAT CANYON FIELD
LOS ALAMOS #24
ACT #2216

Status: Idle

Program: Abandon

Services: Cementing - BJ Hughes
Mud - Santa Maria Valley Mud
Wireline - Pengo Pacific

1. Move in production hoist. Remove injection head. Install BOPE. Test BOPE.
2. Establish circulation with lease water. Change hole over to 88 pcf mud. Increase mud weight as necessary to control well.
3. Pull tubing and packer. If packer cannot be pulled, push to bottom. Cut and retrieve tubing above holes in tubing.
4. Run tubing to 5050'. Use junk tubing for bottom 10 joints. Equalize 100 cu.ft. Class "G" with 2% CaCl. Bradenhead squeeze. Do not displace cement past 4800'. Wait 8 hours. Tag cement. If cement is below 4848', recement.
Note: Getty Engineer and D.O.G. to witness all cementing operations.
5. Pull tubing. Run Pengo cavity shot to 3595'. Set charge.
6. Run tubing to 3550'±. Equalize 180 cu.ft. Class "G" with 2% CaCl. Bradenhead squeeze. Do not displace cement past 3400'. Wait 8 hours. Tag cement. If cement is below 3495', recement. *did not do*
7. Pull tubing. Run Pengo cavity shot to 2392'. Set charge.
8. Run tubing to 2350'±. Equalize 180 cu.ft. Class "G" with 2% CaCl. Bradenhead squeeze. Do not displace cement past 2250'. Wait 8 hours. Tag cement. If cement is below 2292', recement. *did not do*
9. Lay cement plug from 500' ^{*} to surface. Allow ample setting time. Recement as necessary.
10. Cut casing 4½' below ground level. Weld steel plate on top of casing. Lay weld bead on top of plate identifying well number.
Note: Notify Mike Niblett of County Petroleum Dept. to witness before backfilling.
11. Backfill cellar and clean up location.

* Payne / Kotter 11/30/83

DIVISION OF OIL AND GAS

REPORT OF CORRECTION OR CANCELLATION

(805) 925-2686

Santa Maria California

December 5, 1983

R. O. Callaway, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

In accordance with Section 3203 of the Public Resources Code

the following change pertaining to your well "Los Alamos" 24 (083-00396),

(Well designation)

Cat Canyon field, Santa Barbara County,

Sec. 1, T. 8N, R. 33W, S.B. B. & M., is being made in our records:

☐ The corrected location is _____

☐ The corrected elevation is _____

☐ Report No. _____, dated _____, has been
corrected as follows: _____

☒ Your notice/to _____ and supplementary notices to
abandon _____ dated 7-31-79, 8-28-80 & 10-8-81

(Drill, abandon, etc.)

and our report No. P 379-383, 380-
425 & 381-758, issued in answer thereto, are hereby cancelled

inasmuch as the work will not be done. If you have a drilling bond on file covering
this notice it will be returned. No request for such return is necessary.

☐ Other: _____

dv

M. G. Mefferd
State Oil and Gas Supervisor

By

KP Henderson
Deputy Supervisor

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DIVISION OF OIL AND GAS

REPORT OF CORRECTION OR CANCELLATION

(805) 925-2686

Santa Maria California

December 5, 1983

R. O. Callaway, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

In accordance with Section 3203 of the Public Resources Code

the following change pertaining to your well "Los Alamos" 24 (083-00396),
(Well designation)
Cat Canyon field, Santa Barbara County,

Sec. 1, T. 8N, R. 33W, S.B. B. & M., is being made in our records:

☐ The corrected location is _____

☐ The corrected elevation is _____

☐ Report No. _____, dated _____, has been
corrected as follows: _____

☒ Your notice to alter casing in dated 6-29-79,
(Drill, abandon, etc.)
and our report No. P 379-283, issued in answer thereto, are hereby cancelled
inasmuch as the work will not be done. If you have a drilling bond on file covering
this notice it will be returned. No request for such return is necessary.

☐ Other: _____

div

M. G. Mefferd
State Oil and Gas Supervisor

By

K. P. Henderson
Deputy Supervisor

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS**REPORT OF CORRECTION OR CANCELLATION**

(805) 925-2686

Santa Maria CaliforniaR. O. Callaway, AgentGetty Oil CompanyP. O. Box 811Ventura, CA 93001October 5, 1983In accordance with well status inquiry dated 9-20-83the following change pertaining to your well "Los Alamos" 24 (083-00396),*(Well designation)*Cat Canyonfield,Santa BarbaraCounty,Sec. 1, T. 8N, R. 33W, S.B. B. & M., is being made in our records:☐ The corrected location is _____☐ The corrected elevation is _____☐ Report No. _____, dated _____, has been
corrected as follows: _____☒ Your notice to rework and
resume injectivity dated 7-14-82,
*(Drill, abandon, etc.)*and our report No. P 382-403, issued in answer thereto, are hereby cancelled
inasmuch as the work will not be done. If you have a drilling bond on file covering
this notice it will be returned. No request for such return is necessary.☐ Other: _____dv
cc: UpdateM. G. Mefferd
State Oil and Gas Supervisor

By

KP Henderson
Deputy Supervisor

35

The Resources Agency of California
Department of Conservation

DIVISION OF OIL AND GAS
WELL STATUS INQUIRY
(805) 925-2686

DIVISION OF OIL AND GAS
RECEIVED

OCT 5 1983

Santa Maria, California

Santa Maria, Calif.

September 20, 1983

To: R. O. Callaway, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

In a notice dated 7-14 19 82, you propose to rework and resume injection in
well "Los Alamos" 24 (083-00396)
Sec. 1, T. 8N, R. 33W, S.B.B. & M., Cat Canyon
(Field or County)

Please indicate below conditions or intentions regarding this proposed work and return the completed form to this office within 10 days.

THIS WORK HAS BEEN DONE. If you check this space, please file the required well records on this work in duplicate within 60 days after work was completed.

THIS WORK IS IN PROGRESS AND SHOULD BE COMPLETED ABOUT 19 .

THIS WORK HAS NOT BEEN DONE, BUT WE STILL INTEND TO DO THE WORK.*
Please give details. and submit a supplementary notice to that effect.

X WE DO NOT INTEND TO DO THIS WORK. Please cancel our notice to rework and resume
injection, dated 7-14 19 82.

Signature [Signature]
for R.O. Callaway, Agent

(Bonds on file covering canceled notices will be returned.)

OTHER:

NOTE: Division 3 of the Public Resources Code states in part:
Section 3215, ...Well records shall be filed 60 days after completion or suspension of proposed work.

*Section 3203, ...If operations have not commenced within one year of receipt of the notice, the notice will be considered canceled. (To prevent cancelation, file a Supplementary Notice with the division.)

dv

M. G. MEFFERD
State Oil and Gas Supervisor

By [Signature]

REPORT ON PROPOSED OPERATIONS

(805) 925-2686

(field code)

(area code)

(new pool code)

(old pool code)

R. O. Callaway, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

WATER DISPOSAL PROJECT
WEST AREA
MONTEREY ZONE

Santa Maria, California
September 20, 1982

Your proposal to rework and resume
injection in well "Los Alamos" 24
A.P.I. No. 088-00396, Section 1, T. 8N, R. 33W, S.B. B. & M.,
Cat Canyon field, -- area, -- pool,
Santa Barbara County, dated 7-14-82, received 7-15-82 has been examined in conjunction with records
filed in this office.

NOTE: 7" perf. 4933' W.S.O.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout-prevention equipment, as per Manual No. MO 7, 1980 edition, equivalent to Division of Oil and Gas Class II 1M, shall be installed and maintained in operating conditions at all times.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. Nearby producing Monterey wells and those on Union Oil Company's "Bell" lease shall be monitored for increased water production and/or water cut. Injection shall cease if it causes an adverse increase in water production and/or water cut in wells near the "Bell-Los Alamos" lease line.
4. THIS DIVISION SHALL BE NOTIFIED TO WITNESS an injection profile survey within 90 days after injection has resumed.

NOTE:

1. Injection into this well was originally approved in report No. P 376-393 dated October 4, 1976.

AJK:dv

BLANKET BOND

cc: Department of Water Resources
Water Quality Control Board

M. G. MEFFERD, State Oil and Gas Supervisor

By John J. Seibert
Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

DIVISION OF OIL AND GAS

SUPPLEMENTARY NOTICE

DIVISION OF OIL AND GAS
RECEIVED

1982

Santa Maria

DIVISION OF OIL AND GAS

Santa Maria

Calif.

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL FILE
	OGD114	OGD121	
Blanket		7-15-82	

A notice to you dated October 8, 1981, stating the intention to

Abandon

Los Alamos 24

API No. 083-00396

(Drill, rework, abandon)

(Well name and number)

Sec. 1, T. 8N, R. 33W, SB B. & M., Cat Canyon Field,

Santa Barbara

County, should be amended because of changed conditions.

The present condition of the well is as follows:

Total depth 5766'

Complete casing record including plugs and perforations

11-3/4" 47# J-55 C. @ 338'

7" 26# & 28# J-55 and N-80 L. 5766'

CP 4948' and 2819' WSO

Pfs: 180M x 2" Straight slots, 12R, 6"C 4948'-5766'

Junk: Lead impression block top at 5676'

CANCELLED

We now propose to attempt to pull packer, cement holes and resume
Miocene waste water injection - if not successful,
abandon well.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811
(Street)
Ventura, CA 93001
(City) (State) (Zip)
Telephone Number (805) 643-2154

GETTY OIL COMPANY
(Name of Operator)
CORPORATION
Type of Organization (Corporation, Partnership, Individual, etc.)
By R.O. Callaway, Agent 7-14-82
(Name) (Date)
Signature MC Neukauer for R.O. Callaway

32

REPORT ON PROPOSED OPERATIONS

(805) 925-2686

(field code)

(area code)

(pool code)

R. O. Callaway, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

WATER-DISPOSAL PROJECT
WEST AREA
MONTEREY ZONE

Santa Maria, California
October 13, 1981

Your supplementary proposal to abandon well "Los Alamos" 24,
A.P.I. No. 083-00396, Section 1, T. 8N, R. 33W, S.B. B. & M.,
Cat Canyon field, -- area, -- pool,
Santa Barbara County, dated 10-8-81, received 10-13-81 has been examined in conjunction with records
filed in this office.

DECISION: THE PROPOSAL IS APPROVED.

1. In all other respects the well is to be abandoned in accordance with provisions outlined in report No. P 379-383 dated August 23, 1979.

**CANCELLED***Cancelled*

AJK:dv
BLANKET BOND

M. G. MEFFERD, State Oil and Gas Supervisor

By John J. Leebert
Deputy Supervisor**A copy of this report and the proposal must be posted at the well site prior to commencing operations.****Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.**

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Supplementary Notice

**DIVISION OF OIL AND GAS
RECEIVED**

OCT 13 1981

Santa Maria Calif. October 8 19 81

DIVISION OF OIL AND GAS

Santa Maria Calif.

Map No.	Map Letter	Bond No.	115	116	121
		Blanket 80			10/3/81 mg

A notice to you dated August 28

Abandon

well No.

Los Alamos 24

(083-00396)

(Drill, deepen, redrill, abandon)

Sec. 1, T. 8N, R. 33W, SB B & M Cat Canyon Field,

Santa Barbara

is still in effect.
County, should be amended because of changed conditions

The present condition of the well is as follows: Idle

Total depth 5766'

Complete casing record including plugs.

Same as original Notice of Intention to Abandon Well

still
We now propose to abandon Los Alamos 24.

CANCELLED

P.O. Box 811, Ventura, Calif. 93001

(Address)

(805) 643-2154

(Telephone No.)

GETTY OIL COMPANY

(Name of Operator)

By

SPF for R. O. Callaway, Agent

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P. 380-425

REPORT ON PROPOSED OPERATIONS

(805) 925-2686

(field code)

(area code)

(pool code)

E. F. Gill, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Santa Maria, California

September 3, 1980

Your supplementary proposal to abandon well "Los Alamos" 24
A.P.I. No. 083-00396, Section 1, T. 8N, R. 33W, S.B. B. & M.,
Cat Canyon field, -- area, -- pool,
Santa Barbara County, dated 8-28-80, received 9-2-80 has been examined in conjunction with records
filed in this office.

DECISION: THE PROPOSAL IS APPROVED.

1. In all other respects the well is to be abandoned in accordance with provisions outlined in report No. P 379-383 dated August 23, 1979.

Cancelled

CANCELLED

AJK:dv
BLANKET BOND

M. G. MEFFERD, State Oil and Gas Supervisor

By

John K. Juller
Deputy Supervisor

29

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

DIVISION OF OIL AND GAS
RECEIVED

SEP 2 1980

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

AUG 29 1980

Santa Maria, California

Supplementary Notice

Santa Maria, California

Santa Maria Calif. August 28, 1980

DIVISION OF OIL AND GAS

Santa Maria, Calif.

A notice to you dated July 31, 1980, stating the intention to

Abandon well No. Los Alamos 24

(Drill, deepen, re-drill, abandon)

Sec. 1, T. 8N, R. 33W, SB B & M Cat Canyon Field,

Santa Barbara

County, is still in effect. ~~should be amended because of changed conditions.~~

The present condition of the well is as follows: Idle

Total depth 5766'

Complete casing record including plugs.

 CANCELLED

Same as original Notice of Intention to Abandon Well.

We ~~now~~ ^{still} propose to abandon Los Alamos 24. The delay is due to our Workover Rigs having higher priority well work.

Map No.	Map Letter	Form	Forms	
			114	121
				9-2-80

P.O. Box 811, Ventura, Calif. 93001

GETTY OIL COMPANY

(Address)
(805) 643-2154

(Telephone No.)

(Name of Operator)
By *SPF* *Working for*
E. F. Gill/Agent

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

28

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 379-383

REPORT ON PROPOSED OPERATIONS

(805) 925-2686

128
(field code)
21
(area code)
10
(pool code)

E. F. Gill, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

WATER-DISPOSAL PROJECT

WEST AREA

MONTEREY POOL

Santa Maria, California

August 23, 1979

Your _____ proposal to _____ abandon _____ well "Los Alamos" 24
A.P.I. No. 083-00396, Section 1, T. 8N, R. 33W, S.E. B. & M.,
Cat Canyon field, West area, Monterey pool,
Santa Barbara County, dated 7-31-79, received 8-23-79 has been examined in conjunction with records
filed in this office.

CANCELLED

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout-prevention equipment, as per Manual No. MO 7, 2nd Edition, equivalent to Division of Oil and Gas Class II 4M, shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. To prevent movement of other fluids into the well bore, top-hole rotary mud weighing at least 70 lbs. per cu. ft., or a mixture of gel and water having a 10-minute shear strength of 20 or more by Baroid shearometer--approximately 30 sacks per 100 bbl., or 8.5 percent by weight--shall be used to replace any oil or water in the hole and to fill all portions of the hole not plugged with cement.
4. Sump and cellar shall be filled in and the surface shall be cleared of all oil field debris and made available for whatever use was possible before the drilling of the well.
5. THIS DIVISION SHALL BE NOTIFIED:
 - a. TO WITNESS the location and hardness of the cement plugs at 4833' and 1200'.
 - b. TO WITNESS the placing and the location and hardness of the cement plug at 1200'. (alternate program)
 - c. TO WITNESS the placing of the cement plug from 288' to the surface.
 - d. TO WITNESS mudding operations.

A copy of this report must be posted at the well site prior to commencing operations.

JLZ:dv
BLANKET BOND
cc: Water Quality Control Board
OC111 (4-79-DWRR-5M) Department of Water Resources

M. G. MEFEERD, State Oil and Gas Supervisor

By _____

Deputy Supervisor

2

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED

AUG 23 1979

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		114	121
8.23.79	Blanket		8.23.79

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Los Alamos 24, API No. 083-00396, Sec. 1, T. 8N R. 33W, S.B. B. & M., Cat Canyon Field, Santa Barbara County, commencing work on your approval August, 19 79.

The present condition of the well is:

- Total depth: 5766'
- Complete casing record, including plugs and perforations:
11 3/4" 47# J-55 c 338'
7" 26# & 28# J-55 & N-80 L 5766'
CP 4948' and 2819' WSO
Pfs: 180M x 2" Straight Slots, 12R,
6"C, 4948-5766'
Junk: Lead impression block, top at 5676'

3. Last produced _____
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

or

4. Last injected 5/9/79 2300 1400 psi
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

 CANCELLED

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 1320' 1050

The proposed work is as follows:

SEE ATTACHED SHEET

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811
(Street)
Ventura California 93001
(City) (State) (Zip)
Telephone Number (805) 643-2154

GETTY OIL COMPANY
(Name of Operator)
By S.P. [Signature] 7/31/79
E.F. GILL, Agent (Date)
Type of Organization _____
(Corporation, Partnership, Individual, etc.)

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Los Alamos No. 24
Cat Canyon Field
Getty Oil Company

ATTACHMENT

Proposed Work:

1. Kill well and install BOPE.
- * 2. Pull tubing and packer.
3. Perforate 4 holes at 1320' and squeeze cement holes.
4. Drill out and pressure test holes.
5. Lay cement plug from T.D. to 4833'
6. Change over to 72 lb/ft. mud.
7. Lay cement plug from 3590' to 2720'.
8. Lay cement plug from 1400' to 1200'.
9. Perforate 4 holes at 288' and squeeze cement.
10. Leave cement plug inside 7" casing to surface.


 CANCELLED

* ALTERNATIVE PROGRAM IF PACKER CAN NOT BE RECOVERED

2. Recover tubing above packer.
3. Perforate 4 holes at 1320' and squeeze cement holes.
4. Drill out and pressure test holes.
5. Perforate 4 holes at 2300'.
6. Set cement retainer at 1400' and squeeze wellbore full of Class "G" cement.
7. Lay cement plug from top of retainer to 1200'.
8. Change over to 72 lb/ft. mud.
9. Perforate 4 holes at 288' and squeeze cement.
10. Leave cement plug inside 7" casing to surface.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 379-283

REPORT ON PROPOSED OPERATIONS
(805) 925-2686

(field code)

(area code)

(pool code)

E. F. Gill, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

WATER-DISPOSAL PROJECT
WEST AREA
MONTEREY ZONE

Santa Maria, California
July 9, 1979

Your proposal to alter casing in well "Los Alamos" 24,
A.P.I. No. 083-00398, Section 1, T. 8N, R. 33W, S.B.B. & M.,
Cat Canyon field, -- area, -- pool,
Santa Barbara County, dated 6-29-79, received 7-2-79 has been examined in conjunction with records
filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout-prevention equipment, as per Manual No. MO 7, 2nd Edition, equivalent to Division of Oil and Gas Class II 1M, shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. THIS DIVISION SHALL BE NOTIFIED TO WITNESS an injection-profile survey within 30 days after injection has resumed.

CANCELLED

NOTE:

1. Injection into this well was originally approved in report No. P 376-393 dated October 4, 1976.

A copy of this report must be posted at the well site prior to commencing operations.

AJK:dv
BLANKET BOND

M. G. MEFFERD, State Oil and Gas Supervisor

By John J. Recber 24
Regional Supervisor

DIVISION OF OIL AND GAS

JUL 2 1979

Notice of Intention to Rework Well

Santa Maria, California

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY		
BOND	OGD114	OGD121
Blanket		1-2-79

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well No. Los Alamos No. 24, API No. 083-00396

Sec. 1, T. 8N, R. 33W, SB B. & M., Cat Canyon Field, Santa Barbara County.

The present condition of the well is as follows:

1. Total depth. 5766'

2. Complete casing record, including plugs and perforations:

11 3/4" 47# J-55 c 338'

7" 26# J-55 & N-80 L 5766'

C.P. 4948' and 2819' WSO* (2819')

G.P. 4 - 1/4" holes 4933' WSO*

Pf: 180M x 2" Straight Slots, 12R, 6"C; 4948'-5766'

* Witnessed and approved by D.O.G.

3. Present producing zone name Miocene Zone in which well is to be recompleted _____

4. Present zone pressure _____ New zone pressure _____

5. Last produced _____ (Date) _____ (Oil, B/D) _____ (Water, B/D) _____ (Gas, Mcf/D)

or

6. Last injected 6/22/79 2300 1400
(Date) (Water, B/D) (Gas, Mcf) (Surface pressure, psig.)

The proposed work is as follows:

1. Install BOPE. Pull tubing and packer.
2. Locate and squeeze-cement possible casing hole(s).
3. Run tubing and packer and place well back on injection.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811
(Street)
Ventura, California 93001
(City) (State) (Zip)
Telephone Number 805/643-2154

GETTY OIL COMPANY
(Name of Operator)
By S.P. Gill 6/29/79
(Name) (Date)
Type of Organization _____
(Corporation, Partnership, Individual, etc.)

6/4/77. Note: Betty has shut it down. It will repair 6/6/77, tubing when w/o rig is available. AK.

If Betty does not want to do this repair work, have them reply to our T-Report in writing and justify their position. We should have an official reply.

Comments:

1. If there was no packer, we would still have pressure on the annulus.
2. The essential thing to consider is whether or not injection water is migrating into the freshwater aquifer.
3. If there is a hole in the casing opposite the fresh water, one would expect that there would be little or no pressure at the surface. Also, the tracer should have invaded a good portion of the annulus. Apparently, there is no water movement to speak of in the annulus.
4. If some water is exiting the casing

at 4339', it would be entering a low permeability sand.

5. We seem to be losing 250 B/D at 4339'. If sand is tight, this would explain the pressure build up at the surface. However, I would expect a lot of water from the annulus during bleed-off, not a small stream.

6. If pressure was due to gas, we could have water going away, yet not get much at the surface. Upon bleeding off the gas, the water level rises, but its flow is limited by the size of the leak in the tubing and the amount that is going away at 4339'.

7. After we receive Betty's letter, we might decide to survey the entire length of the tubing-casing annulus next year, instead of going two years without a survey.

Two tanks of some level.

June 5, 79

John,

This well appears to have a pinhole leak in the tubing, pressure builds to 600 - 800 psi in tubing-casing annulus, then fluid may be leaking out through holes in the casing. Injection pressure on tubing is 1400 - 1500 psi. What task do we want to take? See inspections on TR dated 5/14/79.

U
(21)

DIVISION OF OIL AND GAS

Report on Operations

(805) 925-2686

E. F. Gill, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Santa Maria

Calif.

May 14, 1979

Your operations at well "Los Alamos" 24, API No. 083-00396, Sec. 1, T. 8N R. 33W
S.B., B. & M. Cat Canyon Field, in Santa Barbara County, were witnessed
on 5-9-79 P. Kinnear, representative of the supervisor, was
present from 0930 to 1300. There were also present Pat Shields - Engineering
Technician

Present condition of well: 11 3/4" cem. 338'; 7" ld. 5766', cp. 4948' & 2819' Co. W.S.O.,
perf. 4933' W.S.O., perf. 4948' - 5766'. T.D. 5766'.

The operations were performed for the purpose of demonstrating that all of the injection fluid
is entering the intended zone.

DECISION: THE OPERATIONS ARE NOT APPROVED AS INDICATING THAT ALL OF THE INJECTION FLUID
IS ENTERING FORMATIONS BELOW 4948' AT THIS TIME.

NOTE: Injection shall cease immediately. The tubing leak at 4339'± shall be repaired
and another R/A survey run within 30 days after injection is resumed.

Annulus pressure Test 5/25/79 0830-0850.

*Vac. Truck driver reported
600 psi on annulus when he arrived @ well. He bled
off pressure before I arrived, and re-pressured to 205 psi.
There was no bleed-off in 20 min. PJK.*

5-31-79 AK insp.

*1. Well was closed in before
I arrived. Operator opened valve
and ± 1 gal flowed from*

*PJK: dv annulus. Small steady stream continued. Left site
in ± 5 min.*

*2. Operator will leave annulus
valve cracked. D.O.G. will observe
periodically.*

OG109 (6-77-6581-15M)

By

John L. Zulberti
John L. Zulberti

20

Operator Getty Oil CoWell name and no. Los Alamos 24 Sec. 1, T. 8N, R. 33W, SB B&MField Cut Cyn, County Santa Barbara was tested for water shut-off on 5/9/79, Mr. PT Kinnear, representative of the supervisor was present from 0930 to 1300. There were also presentPat Shrelds - Engr. Tech.

Casing record of well:

11 3/4" cen 338'; 7" id 5766', cp 4948 + 2819; perf. 4933 wsd, perf 4948-5766'
T.D. 5766'The operations were performed for the purpose of demonstrating That all of The
injection fluid is entering The intertidal zone.☐ The 7" shut-off at 4948' is approved.☐ The seal between the 7" and 7" casings is approved.☒ The operations are ^{not} approved as indicating that all of the injection fluid is ^{entering} confined to the formations below 4948' at this time.Note: Injection shall cease immediately. The tubing leak at 4339' shall
be repaired and another R/A survey run within 30 days after injection is
Hole size: 7" fr. 4948' to 5766', 7" to 4948' & 7" to 4948'
resumed.

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Depth or interval tested Top perf 4948 (pickup @ 5672)The hole was open to 4948' for test.

FORMATION TEST:

Packer(s) & Tail Bean size Cushion IHP IFP FFP FHP Blow Open for test Hr. min. Fluid entry

BAILING TEST:

The hole fluid was bailed to , at on 19 .The hole fluid was found at , at on 19 .
(time)

PRODUCTION TEST:

Gauge/meter reading on 19 , at pump depth Engr. Gauge/meter reading on 19 , at Engr. Fluid level surveyed on 19 , reviewed (witnessed) by Total fluid produced, Bbls. Net oil Water Rate: B/D oil, B/D water, % water cut 19

INJECTION SURVEY:

RA/~~Seiner~~/Temperature survey run at 1400L B/D & 1500 psi on 5/9/79 19 ,
fluid confined below 4918 (Packer depth 4850-4854.)Temp dn To pickup - OK - Top perf CK. Set + inf @ 4900 wait 300 secOK Log dn 4925 Clean - PKR CK Set @ 4800 + inf wait 300 secOGD8 (10-76-GSR1-5M) Csg press. - was not able to read gauge 800psi (over)

OK Log up 4700 OK Log dn 4875 OK

VC @ 4900 = 31 sec = 1624 B/D

DC @ 4700-4800 = 44 sec = 1138 B/D

✓ 400-500 = 36 sec = 1390 B/D

✓ 2000-2100 = 38 sec = 1317 B/D

✓ 3400-3500 = 35 sec = 1430 B/D

Intf @ 3500 Log dn ^{150'/min} KrcK @ 4339'

Log up KrcK 4334'

Intf @ 4300 Log dn KrcK 4339'

Log dn KrcK 4339'

} Looks like some fluid
may be entering lowermost
Sisquoc Sd.

Tbng leak @ 4339' CSG Leak Also? see E-Log

RECORDS RECEIVED

Date Received no records required
Well Summary (Form 100) _____
History (Form 103) 7-26-78
Core Record (Form 101) _____
Elec. Log - Lge. Small
Direct. Survey _____
Sidewall Samples _____
Other _____

Notice of Records Due
Form 170 _____

Date Final Records Received _____

ENGINEER'S CHECK LIST

1. Summary, History, &
Core record (dupl.) _____
2. Electric Log _____
3. Operator's Name _____
4. Signature _____
5. Well Designation _____
6. Location _____
7. Elevation _____
8. Notices _____
9. "T" Reports _____
10. Casing Record _____
11. Plugs _____
12. Surface Inspection _____
13. Production Injection ✓

RECORDS NOT APPROVED

Reason: _____

RECORDS APPROVEDRELEASE BOND

Date Eligible _____
(Use date last needed records were
received.)

MAP & MAP BOOK 310 10-22-76 JK

STATUSDATE

Producing - Oil _____
Idle - Oil _____
Abandoned - Oil _____
Drilling - Idle _____
Abandoned - Dry Hole _____
Producing - Gas _____
Idle - Gas _____
Abandoned - Gas _____
Gas - Open to Oil Zone _____
Water Flood Source _____
Water Disposal ✓ Aug 76
Water Flood _____
Steam Flood _____
Fire Flood _____
Air Injection _____
Gas Injection _____
CO₂ Injection _____
LPG Injection _____
Observation _____

RECOMPLETEDCLERICAL CHECK LIST

1. Location change (F-165) _____
2. Elevation change (F-165) _____
3. Form 121 _____
4. Form 159 (Final Letter) _____
5. Form 150b (Release of Bond) _____

CHANGE OF WELL STATUS REPORT

SECTION 1	TOWNSHIP 8N	RANGE 33W	SECTION & M S.B.	LOCATION 5610'S & 1650'E from W. corner of Sec. 1
DISTRICT Coastal	AREA Santa Maria	LEASE & WELL Los Alamos #24	FIELD Cat Canyon	
COUNTY AND STATE Santa Barbara Calif.	OPERATOR Getty Oil Company	GOC FILE NO.	GOC WORKING INT.	

TYPE OF WELL <input type="checkbox"/> OIL <input type="checkbox"/> GAS	TYPE OF COMPLETION <input type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE	OTHER PRODUCING WELLS ON LEASE OR UNIT <input type="checkbox"/> NO <input type="checkbox"/> YES	<input type="checkbox"/> OIL <input type="checkbox"/> GAS
DATE OF CHANGE 8-15-78	REASON FOR STATUS CHANGE		METHOD OF COMPLETION

<input type="checkbox"/> OIL COMPLETION (FIRST FORMATION OIL PRODUCED) DIVISION OF OIL AND GAS RECEIVED	<input type="checkbox"/> RESUMPTION OF PRODUCTION	<input type="checkbox"/> PUMP
<input type="checkbox"/> GAS COMPLETION	<input checked="" type="checkbox"/> CESSATION OF PRODUCTION	<input type="checkbox"/> GAS LIFT
<input type="checkbox"/> RE-COMPLETION	<input type="checkbox"/> IDLE	<input type="checkbox"/> FLOW
<input type="checkbox"/> INITIAL PRODUCTION	<input type="checkbox"/> PLUGGED & ABANDONED	<input checked="" type="checkbox"/> INJECTION WATER <input checked="" type="checkbox"/> GAS

WELL DATA				PRODUCTION TEST DATA								
PRODUCING ZONE	PERFS. (sl, gp, ip)	PRODUCTION INTERVAL FROM	TO	BOPD	GAS MCFPD	CHOKE /64"	TP	CP	TRAP PRESSURE	GOR OR CONDENSATE YIELD	CUT	API GRAVITY
Miocene	sl	4948	5766									

IF CHANGE OF STATUS IS DUE TO CESSATION OF PRODUCTION, WHAT ARE THE PLANS TO RESTORE PRODUCTION, AND ON WHAT DATE IS PRODUCTION EXPECTED TO BE RESTORED? Converted to waste water injector

REASON FOR PLUG & ABANDONMENT

Map No.	Map Letter	Bond No.	Forms		
			115	114	121

TOTAL DEPTH: 5766' PLUGGED DEPTH: - GROUND ELEVATION: 1020' POINT OF DEPTH MEASUREMENT: KB 10 FT. ABOVE GROUND

SIZE OF CASING (A.P.I.)	DEPTH OF SHOE	TOP OF CASING	WEIGHT OF CASING	NEW OR SECOND HAND	GRADE	SIZE OF HOLE DRILLED	NUMBER OF SACKS CEMENT	W S O DEPTHS	CASING PACKER DEPTHS (IF ANY)
11-3/4"	338'	Surface	47#						
7"	5766'	Surface	26#/28#			9-7/8"			

JUNK:

REMARKS: Injecting into Miocene zone

SUBMITTED BY: D. R. Greene TITLE: Operations Engineering Supervisor DATE: 7-21-78

DISTRIBUTION: DISTRICT PRODUCTION MANAGER, DIVISION PRODUCTION MANAGER, DIVISION EXPLORATION MANAGER, PRODUCTION ACCOUNTING, LEASE RECORDS-PRODUCING PROPERTIES, DIVISION OF OIL & GAS (COMPLETIONS, RECOMPLETIONS AND ABANDONMENTS ONLY), CONSERVATION COMMITTEE OF CALIFORNIA OIL PRODUCERS (COMPLETIONS AND RE-COMPLETIONS ONLY).

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED

History of Oil or Gas Well

JUL 26 1978

OPERATOR Getty Oil Company FIELD Cat Canyon Santa Maria, CaliforniaWell No. Los Alamos 24, Sec. 1, T. 8N, R. 33W, S.B. B. & M.Date July 21,, 1978 Signed D. R. GreeneP.O. Box 811, Ventura, Ca. 93001 (805-643-2154) Title Operations Engineering Supervisor
(Address) (Telephone Number) (President, Secretary or Agent)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

8-13-76 G & O Production Service moved in and rigged up. Removed head and 1 jt. 2-7/8" EU 8rd tubing. Ran in hole with 6" tri-cone bit and 7" casing scraper with 78 jts. 2-7/8" tubing to 2392'. Rotated and reciprocated scraper but can go no deeper. Pulled out of hole.

8-14-76 Ran in hole with 5-3/4" impression block to 2422'. Pulled out of hole. Found lead gone from impression block. Ran in hole with casing scraper. Hit lead 2 stands from surface. Shoved impression block down to 5688', could go no deeper. Pulled out of hole.

8-15-76 Ran in hole with 7" Baker lockset packer. Set Baker packer at 4850' with 15,000# compression. Landed tubing. Filled casing with lease water. Pressured to 1500 psi. No pressure on tubing gauge. Bled off. Rigged down and moved out.

PUT ON INJECTION 8-19-76

Depth: 5160'

Casing Record

11-3/4"	47#	C. 338'
7" 26# & 28#		C. 5766'

Tubing Record

4840'	2-7/8" EU 8Rd tubing (water inj. string)
10'	K.B.
4850'	

Rods

None

DIVISION OF OIL AND GAS

(805) 925-2686

REPORT ON PROPOSED OPERATIONS No. P 376-393

WATER-DISPOSAL PROJECT

WEST AREA

MONTEREY ZONE

Mr. D. R. Greene, Agent

Getty Oil Company

P. O. Box 811

Ventura, CA 93001

Santa Maria, Calif.

October 4, 1976

DEAR SIR:

disposal (083-00396)

Your proposal to convert to water Well No. "Los Alamos" 24
Section 1, T. 8N, R. 33W, S.B.B. & M., Cat Canyon Field, Santa Barbara County,
dated --, received 9-16-76, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout-prevention equipment equivalent to Division of Oil and Gas Class II shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. The general requirements established in letter dated October 4, 1976 approving the project shall be made part of this report.
4. Copies of all surveys shall be filed with this Division.
5. THIS DIVISION SHALL BE NOTIFIED TO WITNESS all injection-profile surveys referred to in Item 5 of above letter, the first within 30 days after injection has started.

NOTES:

1. An examination of the electric log indicates that the base of freshwater is at 1050' at this location. The freshwater will be protected by 11 3/4" casing cemented at 338' from shoe to the surface and 7" casing cemented through perforations at 4948' with 300 sacks of cement and through perforations at 2819' with 200 sacks of cement. Also, water will be injected through tubing on packer.
2. The water to be injected tests 7000ppm NaCL and is produced from neighboring oil wells.
3. Injection will be into the Monterey zone. Strata in the injection interval contain oil and saltwater.
4. Approximate surface location of well: From NW cor. approx. 575'S., 2400'E.
5. Injected water might also have some water-flood effect.

Blanket Bond

AJK:mjn

cc: Department of Water Resources
Regional Water Quality Control
Board

HAROLD W. BERTHOLF

~~JOHN R. MCKINNEY~~ State Oil and Gas Supervisor

By *John R. McKinney*, Deputy

14

DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

DIVISION OF OIL AND GAS
RECEIVED

SEP 16 1976

FOR DIVISION USE ONLY		
BOND	FORMS	
	114	121
Blanket		9-16-76 mja

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3. Public Resources Code, notice is hereby given that it is our intention to rework well No. Los Alamos #24, API No. 083-00396,
Sec. 1, T. 8, R. 33W, S.B.B. & M., Cat Canyon Field, Santa Barbara County.

The present condition of the well is as follows:

1. Total depth. 5766'
2. Complete casing record, including plugs and perforations:
11 3/4" 47# J-55 c 338'
7" 26# J-55 & N-80 L 5766'
C.P. 4948' and 2819' C.W.S.O. (2819')
G.P. 4 - 1/4" holes 4933' WSO*
Pf: 180 M x 2" straight slots, 12 R, 6" C; 4948' to 5766'

* Witnessed and approved by D.O.G.

3. Present producing zone name Miocene Zone in which well is to be recompleted Miocene
4. Present zone pressure _____ New zone pressure _____
5. Last produced 8/76 (Date) --- (Oil, B/D) --- (Water, B/D) 36 (Gas, Mcf/D)
or
6. Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf) _____ (Surface pressure, psig.)

The proposed work is as follows:

1. Clean out to 5676'.
2. Set packer at 4850'±.
3. Place well on injection.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811
(Street)
Ventura, California 93001
(City) (State) (Zip)
Telephone Number 805/643-2154

GETTY OIL COMPANY
(Name of Operator)
By [Signature]
(Name) D.R. GREENE, Agent (Date)
Type of Organization _____
(Corporation, Partnership, Individual, etc.)

DIVISION OF OIL AND GAS

AUG 12 1976

Notice of Intention to Rework Well

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

Santa Maria, California

FOR DIVISION USE ONLY		
BOND	FORMS	
	114	121
<i>Blandet</i>		<i>8-12-76</i> <i>LB</i>

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well No. LOS ALAMOS #24, API No. 083-00396, Sec. 1, T. 8, R. 33W, S.B. B. & M., Cat Canyon Field, Santa Barbara County.

The present condition of the well is as follows:

- Total depth. 5766'
- Complete casing record, including plugs and perforations:
11 3/4" 47# J-55 c 338'
7" 26# & 28# J-55 & N-80 L 5766'
C.P. 4948' and 2819' WSO* (2819')
G.P. 4 - 1/4" holes 4933' WSO*
Pf: 180M x 2" straight slots, 12 R, 6" C: 4948'-5766'

* Witnessed and approved by D.O.G.

- Present producing zone name Miocene Zone in which well is to be recompleted Miocene
- Present zone pressure _____ New zone pressure _____
- Last produced PRESENT (Date) --- (Oil, B/D) --- (Water, B/D) 36 (Gas, Mcf/D)
or
- Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf) _____ (Surface pressure, psig.)

The proposed work is as follows:

- Test injectivity of Miocene zone for 30 days. We will be injecting approximately 1000 bbls. of produced water per day. Expected surface pressure is 800 psi.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P.O. Box 811
(Street)
Ventura, California 93001
(City) (State) (Zip)
Telephone Number 805/643-2154

GETTY OIL COMPANY
(Name of Operator)
By *D.R. Greene* 8/11/76
(Name) D.R. Greene, Agent (Date)
Type of Organization _____
(Corporation, Partnership, Individual, etc.)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 376-320

WATER-DISPOSAL PROJECT
WEST AREA
MONTEREY ZONE

Mr. D. R. Greene, Agent
Getty Oil Company
P. O. Box 811
Ventura, CA 93001

Santa Maria Calif.
August 13, 1976

DEAR SIR:

Your (083-00396)
proposal to determine injectivity in Well No. "Los Alamos" 24
Section 1, T. 8N, R. 33W, S.B. B. & M., Cat Canyon Field, Santa Barbara County,
dated 8-11-76, received 8-12-76, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout-prevention equipment equivalent to Division of Oil and Gas Class II shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
3. If the injectivity test is found to be satisfactory, a notice to convert to water disposal and supporting data shall be filed with this Division.
4. The duration of the injectivity test shall not exceed 30 days.
5. A report on Form 110B shall be filed in duplicate showing:
 - a. The zone of injection.
 - b. The amount of fluid injected.
 - c. The injection pressure required.
 - d. The source of injected water.

Blanket bond

AK:db

HAROLD W. BERTHOLF

JOHN F. MATTHEWS, Jr., State Oil and Gas Supervisor

By , Deputy

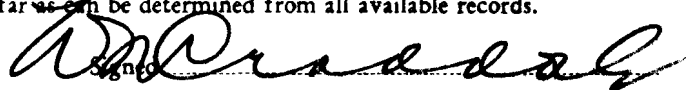
11

SUBMIT LOG IN DUPLICATE
FILL THIS BLANK IN WITH TYPEWRITER WRITE ON ONE SIDE OF PAPER ONLYSTATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GASDIVISION OF OIL & GAS
RECEIVED
FEB - 4 1944
SANTA MARIA, CALIFORNIA

LOG OF OIL OR GAS WELL

Operator **Pacific Western Oil Corporation** Field **East Cat Canyon**
Well No. **Los Alamos #24** Sec. **1**, T. **8N**, R. **33W**, S.B. B. & M.
Location **5610' southerly along West Line of Property from Northwest**
Cor. of Property & 1650' Easterly at Right Angles. Elevation **1020' 1015.80**
1022.0

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date **1/24/44**

(Engineer or Geologist)

(Superintendent)

Title

(President, Secretary or Agent)

Commenced drilling **8-26-43** Completed drilling **11-22-43** Drilling tools **ROD**
RotaryTotal depth **5766'** Plugged depth _____ GEOLOGICAL MARKERS DEPTH

Junk _____

Commenced producing **11-23-43** (date) Flowing/ **not flowing**
(cross out unnecessary words)

Initial production

Production after **30** days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
1179 (Open)	15.8	1.9%	No Estimate	-	-
150 (32/64)	15.8	0.2%	No Estimate	150	325

CASING RECORD (Present Hole)

Size of Casing (A.P.L.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld.	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cementing if through perforations
11-3/4"	338		47#	New	8mls.	J-55	15 1/2	325	
7"	5766		26# & 28#	New	8mls.	J-55 & N-80	10-5/8"	300	4948'
Note: 7" also C.P. at 2819' with 200 sacks, squeezed with 100 sacks and squeezed with 112 sacks.									

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	4948 ft.	5766 ft.	180 M X 2"	12	6"	Straight Slots
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths

5750'

(Attach Copy of Log)

DIVISION OF OIL AND GAS

FEB - 4 1944

SANTA MARIA, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator **Pacific Western Oil Corporation** Field **East Cat Canyon**

Well No. **Los Alamos #24** Sec. **1**, T. **6N**, R. **33W**, S.B. **B. & M.**

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
0	194		Drilled		Sand
194	338		"		Sand and shale
338	637		"	8	Sand and clay
637	937		"		Sand and shale
937	1139		"		Gravel and shale
1139	1442		"		Shale
1442	1568		"		Sand and shale
1568	1724		"		Shale
1724	2262		"		Sand and shale
2262	2399		"		Shale
2399	2410	11'	Core #1	11'	Fine gray silty sand
2410	2420	10'	Core #2	10'	Fine gray silty sand
2420	2428	8'	Core #3	8'	Fine gray silty sand with streaks of oil sand.
2428	2439	11'	Core #4	0'	No recovery
2439	2449	10'	Core #5	0'	No recovery
2449	2455	6'	Core #6	1'	Hard sandy shale
2455	2460	5'	Core #7	0'	No recovery
2460	2467	7'	Core #8	7'	Sandy shale, flat dips
2467	2477	10'	Core #9	10'	Fine gray silty sand
2477	2487	10'	Core #10	10'	Fine gray silty sand
2487	2497	10'	Core #11	9'	Sandy shale
2497	2505	8'	Core #12	8'	Sandy shale
2505	2515	10'	Core #13	8'	Sandy shale
2515	2525	10'	Core #14	10'	Sandy shale
2525	2530	5'	Core #15	5'	Sandy shale
2530	2546	16'	Core #16	16'	Sandy shale
2546	2563	17'	Core #17	15'	Sandy shale
2563	2586	23'	Core #18	21'	Sandy shale. 60° fracture planes (Fault zone?)
2586	2592	6'	Core #19	1'	Sandy shale
2592	2598	6'	Core #20	1'	Sandy shale
2598	2603	5'	Core #21	1'	Sandy shale
2603	2613	10'	Core #22	9'	Sandy shale with thin streaks of oil sand.
2613	2619	6'	Core #23	6'	Fine silty gray sand, spots of oil sand.
2619	2631	12'	Core #24	12'	Fine silty gray sand, spots of oil sand.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
FEB - 4 1944

SANTA MARIA, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator Pacific Western Oil Corporation Field East Cat Canyon

Well No. Los Alamos #24 Sec. 1, T. 8N, R. 33W, S. E. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
2631	2643	12'	Core #25	12'	4' Sandy shale 8' Gray silty shale
2643	2655	12'	Core #26	12'	Fine silty gray sand
2655	2667	12'	Core #27	12'	Sandy shale
2667	2675	8'	Core #28	8'	Sandy shale
2675	2677	2'	Core #29	2'	Sandy shale
2677	2689	12'	Core #30	10'	Sandy shale
2689	2701	11'	Core #31	9'	Sandy shale, abundant fossils
2701	2714	13'	Core #32	12'	Sandy shale
2714	2726	12'	Core #33	9'	6' Sandy shale 3' Fine silty sand, shows of oil, Abundant fossils
2726	2736	10'	Core #34	3'	Fine silty sand, fair show of oil
2736	2745	9'	Core #35	9'	Fine silty sand, fair show of oil
2745	2757	12'	Core #36	3'	Fine silty soft gray sand
2757	2762	5'	Core #37	1'	Fine silty soft gray sand
2762	2775	13'	Core #38	6'	Fine silty soft gray sand
2775	2787	12'	Core #39	12'	Sandy shale with streaks of gray sand
2787	2796	9'	Core #40	9'	Sandy shale with streaks of gray sand. Flat dips.
2796	2806	10'	Core #41	10'	Sandy shale with streaks fine gray sand.
2806	2818	12'	Core #42	8'	Fine silty gray sand
2818	2825	7'	Core #43	7'	Sandy shale with streaks gray sand
2825	2835	10'	Core #44	7'	Sandy shale with streaks gray sand
2835	2847	12'	Core #45	12'	Medium silty gray sand
2847	2855	8'	Core #46	8'	Sandy shale with streaks gray sand
2855	2867	12'	Core #47	10'	Sandy shale
2867	2873	6'	Core #48	3'	Fine silty gray sand
2873	2882	9'	Core #49	9'	Sandy shale with streaks gray sand
2882	2894	12'	Core #50	7'	Sandy shale
2894	2906	12'	Core #51	10'	Fine hard silty gray sand
2906	2919	13'	Core #52	9'	Sandy shale with streaks gray sand
2919	2931	12'	Core #53	12'	Fine silty gray sand
2931	2932	1'	Core #54	1'	Hard shell
2932	2944	12'	Core #55	7'	Fine silty gray sand

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
FEB - 4 1944
SANTA MARIA, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator **Pacific Western Oil Corporation** Field **East Cat Canyon**
Well No. **Los Alamos #24** Sec. **1**, T. **8N**, R. **33W**, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
2944	2956	11'	Core #56	11'	Hard silty gray sand with streaks of shale.
2956	2968	12'	Core #57	12'	Fine silty gray sand.
2968	2971	3'	Core #58	2'	Fine silty gray sand.
2971	2975	4'	Core #59	1'	Sandy shale.
2975	2982	7'	Core #60	1'	Hard sandy shale.
2982	2989	7'	Core #61	7'	Hard sandy shale.
2989	3006		Drilled		Sand.
3006	3115		Drilled		Sand and shale.
3115	3195		Drilled		Hard sandy shale.
3195	4281		Drilled		Sand and shale.
4281	5097		Drilled		Brown shale.
5097	5106		Drilled		Hard cherty shale.
5106	5182		Drilled		Hard shale.
5182	5192		Drilled		Cherty shale.
5192	5226		Drilled		Hard shale.
5226	5750		Drilled		Cherty shale.
5750	5766	16'	Core #62	16'	Cherty shale.

SUBMIT IN DUPLICATE
STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED

FEB - 4 1944

SANTA MARIA, CALIFORNIA

History of Oil or Gas Well

OPERATOR **Pacific Western Oil Corp.** FIELD **East Cat Canyon**

Well No. **Los Alamos #24**, Sec. **1**, T. **8N**, R. **33W**, S.B. **B. & M.**

Signed *[Signature]*

Date **January 25, 1944**

Title _____
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date	
8-26	Spudded 15½" rotary hole.
8-27	Cemented 11-3/4" casing at 338' with 325 sacks cement.
8-29	Drilling ahead with 10-5/8" hole.
9-2	Drilled 10-5/8" hole to 2399'.
10-6	Cored 10-5/8" hole to 2989'.
11-13	Drilled 10-5/8" hole to 5750'.
	Ran Lane Wells Electrolog to 5750'.
11-14	Cored 10-5/8" hole to 5766', Total Depth.
11-15	Landed 7" casing at 5766', including perforated interval from 4948' to 5766', and cemented through perforations at 4948' with 300 sacks. Also cemented through sleeve at 2819' with 200 sacks.
11-17	Cleaned out cement from 2800' to 2859'. Ran Johnston Tester, tested wet.
11-18	Squeezed 7" at 2819' with 100 sacks.
11-19	Cleaned out cement from 2820' to 2867'. Ran Johnston Tester, tested wet.
11-20	Squeezed 7" at 2819' with 112 sacks cement. Cleaned out cement from 2812' to 2866'.
11-21	Ran Johnston Tester with packer set at 2799'.
	Water Shut Off O.K. by Division of Oil and Gas.
	Found top of cement at 4938'. Gun Perforated four 1/2" holes at 4933'. Ran Johnston Tester with packer set at 4894'. Water Shut Off approved by Division of Oil and Gas.
11-22	Drilled out cement from 4938' to 4948' and cleaned out to bottom.
11-23	Landed 2½" tubing at 4922'.
	Swabbed well in at 7 p.m., 11-23-43.

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2-4-44
2-4-44
Producing

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T3-2164

Mr. Allen A. Anderson, Santa Maria, Calif. November 22, 19 43
Goleta, Calif.
Agent for Pacific Western Oil Corporation

DEAR SIR:

Your well No. "Los Alamos" 24, Sec. 1, T. 8 N., R. 33 W., S. B. B. & M.
Cat Canyon Field, in Santa Barbara County, was tested for water shut-off
on November 22, 19 43. Mr. S. G. Dolman, designated by the supervisor,
was present as prescribed in Sec. 3222 and 3223, Ch. 93, Stat. 1939; there were also present Hugh Smith,
Superintendent, and H. M. Nudson, driller

Shut-off data: 7 in. 26-28 lb. casing was cemented/through perforations at 4948 ft. on November 14, 19 43
in 10 7/8" rotary hole with 300 sacks of cement of which 2 sacks was left in casing.
Casing record of well: 11 3/4" cem. 336'; 7" landed 5766' with 818' perf. on
bottom, c.p. 2819' and 4948'

Reported total depth 5766 ft. Bridged with cement from 4938 ft. to 4948 ft. Cleaned out to 4938 ft. for this test.
A pressure of 500 lb. was applied to the inside of casing for 10 min. without loss after cleaning out to 4938 ft.
A Johnston tester was run into the hole on 2-1/2 in. drill pipe, with - ft. of water cushion,
and packer set at 4894 ft. with tailpiece to 4908 ft. Tester valve, with 1/2" bean, was opened at 3:45 a.m.
and remained open for 1 hr. and - min. During this interval there was a good steady
blow for 10 minutes and a heading blow for 2 minutes.

MR. SMITH REPORTED THE FOLLOWING:

1. The 7" casing was cemented through the sleeve at 2819' with 200 sacks, was recemented with 100 sacks, and again recemented with 112 sacks before a shut-off was obtained.
2. The 7" casing was gun perforated at 4933'-4934' with four one-half-inch holes at right angles for a test of shut-off.
3. The space between the 2-1/2" drill pipe and the 7" casing was filled with mud fluid and remained in that condition during the test, demonstrating that the packer prevented any migration of fluid between drill pipe and casing.

THE DEPUTY SUPERVISOR NOTED THE FOLLOWING:

1. When the drill pipe was pulled out, approximately 1860' of fluid was found in the drill pipe, equivalent to 10.8 bbl.
2. The fluid consisted of 400' of oil and the balance gas-cut mud and oil.
3. The pressure chart indicated that the valve was open during the entire test.
4. The bottom hole temperature was 162 degrees.

THE SHUT-OFF IS APPROVED.

1050' - 7"
3.3575 9/16
$$\begin{array}{r} 300 \\ - 2 \\ \hline 298 \text{ SX} \\ 3.3575 \\ \hline 1000' \\ 4948' \\ - 1000' \\ \hline 3948' \text{ TC} \end{array}$$

$$\begin{array}{r} 2819 \\ - 200 \\ \hline 2619 \\ 19' = 4565 \\ 5.4462 \end{array}$$

$$\begin{array}{r} 200 \\ 196 \\ \times 3.3575 \\ \hline 658 \\ 2161 \text{ TC} \end{array}$$

21027 2-43 7500	STATE PRINTING OFFICE
11-22-43	11-22-43

R. D. BUSH, State Oil and Gas Supervisor

By [Signature], Deputy

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CC NTY OF SANTA BARBARA

STATE OF CALIFORNIA

Special Report on Oil Operations Witnessed
SURFACE CEMENTING

No. 393

Santa Maria, Calif., August 28, 19 43

Mr. Allen A. Anderson

Goleta, California

Agent for Pacific Western Oil Corporation

DIVISION OF OIL & GAS
RECEIVED
AUG 31 1943

SANTA MARIA, CALIFORNIA

Dear Sir:

Operations at your well No. Los Alamos #24 Sec. 1, T. 8 N., R. 33 W., S. E. B. & M.

Cat Canyon Field, in Santa Barbara County, were witnessed by

F. H. Johnson, representative of the County,

on August 27, 19 43. There was also present Thos. Nudson, Drilling Superintendent
for Pacific Western Oil Corporation.

Casing Record. Set and cemented 336' of 11-3/4" O.D. 54 lb. new Slip Joint
casing.

The operations were performed for the purpose of Setting and cementing surface casing.

and the data and conclusions are as follows:

1. 1:00 P.M. to 2:30 P.M. ran casing. Went in freely.
2. 2:45 P.M. to 3:00 P.M. 325 sacks of cement were pumped into casing by Halliburton Cementing Company. 157 sacks required. Average weight of cement 117 lbs. per cu. ft.
3. 3:05 P.M. to 3:30 P.M. cement was displaced with 229 cu. ft. of mud fluid. Cement return was made at displacement of 90 cu. ft. indicating 195 sacks wasted into sump. 168 sacks excess cement indicated a slight channeling took place. Final pressure 500 lbs.

Oral approval of cementing procedure is hereby confirmed.

SANTA BARBARA COUNTY PLANNING COMMISSION

WALLACE C. PENFIELD, Secretary,

By F. H. Johnson Inspector.

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COUNTY OF SANTA BARBARA

STATE OF CALIFORNIA

Special Report on Oil Operations Witnessed

MUD TEST

No. 393

Santa Maria

Calif., August 28, 19 43

Mr. Allen A. Anderson

Goleta,

California

Agent for Pacific Western Oil Corporation

DIVISION OF OIL & GAS
RECEIVED

AUG 31 1943

SANTA MARIA, CALIFORNIA

Dear Sir:

Operations at your well No. Los Alamos #24 Sec. 1, T. 8 N., R. 33 W., S.B. B. & M.

Cat Danyon

Field, in Santa Barbara

County, were witnessed by

F. H. Johnson

representative of the County,

on August 27, 19 43. There was also present Thos Nudson, Drilling Superintendent
for Pacific Western Oil Corporation.

Casing Record None set prior to mud test.

The operations were performed for the purpose of Demonstrating that the formation was
satisfactorily mudded from 0' to 336'.

and the data and conclusions are as follows:

Mr. Nudson reported a 15 $\frac{1}{2}$ " rotary hole drilled 336' below the
derrick floor.

The Inspector noted:

1. Mud weight was 84 lbs. per cu. ft.
2. Test was taken from 10:20 A.M. to 11:20 A.M. and showed no loss of mud.

Oral approval was given to set and cement 336' of 11-3/4" O.D.
54 lb. casing and is hereby confirmed.

SANTA BARBARA COUNTY PLANNING COMMISSION

WALLACE C. PENFIELD, Secretary,

By F. H. Johnson Inspector.

3

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 3-3259

Mr. Allen A. Anderson, Santa Maria, Calif. August 11, 1943
Goleta, Calif.

Agent for Pacific Western Oil Corporation

DEAR SIR:

Your proposal to drill Well No. "Los Alamos" 24,
Section 1, T. 8N., R. 33W., S. 5E. B. & M., Cat Canyon Field, Santa Barbara County,
dated Aug. 4, 1943, received Aug. 11, 1943, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The elevation of the ground above sea level is 1020 feet.
The well is 5610 feet Southerly along W. Prop. line from the N.W.
Cor. Ranch, and 1650 feet Easterly at Right Angles
Lease consists of Approx. 4000 acres
We estimate that the first productive oil or gas sand should be en-
countered at a depth of about 5200 feet.
Well is to be drilled with rotary tools."

PROPOSAL:

"We propose to use the following strings of casing, either cementing
or landing them as herein indicated:
Size of Csg., Weight, Lb. Per Grade and Type Depth Landed or Cemented
In. Foot
11-3/4" 54# J-55 Slip Jt 350 350
7" 26# H-40 & J-55 5900 C.P. 5200
Including perforated interval 5200' - 5900' also C.P. through
sleeve above upper zone.
It is understood that if changes in this plan become necessary we are
to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Mud fluid of not less than 70 lb. per cubic foot shall be used in the drilling of the well and the column of mud fluid shall be maintained at all times to the surface, particularly while pulling the drill pipe.
2. Adequate blow-out prevention equipment shall be provided and ready for operation at all times.
3. The formations to be left back of the 11-3/4" and 7" casings shall be mudded in a satisfactory manner.
4. THIS DIVISION SHALL BE NOTIFIED TO WITNESS:
A test of the 7" shut-off.

Bond No. 4618828.

CC - Mr. W. N. Craddock

R. D. BUSH

State Oil and Gas Supervisor

By

Deputy

2

Map #2	Model	Mr. W. N. Craddock	Mr. Harry Newman	121
8-14-43	150a			

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
AUG 11 1943
SANTA MARIA, CALIFORNIA.

083-00396

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

Los Angeles

Calif August 4,

1943

DIVISION OF OIL AND GAS

SANTA Maria,

Calif.

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well No. "Los Alamos" # 24, Sec. 1, T. 8N, R. 33 W, SB B. & M., CAT CANYON Field, SANTA BARBARA County.

Lease consists of Approx. 4000 acres

The well is 5610 feet Southerly along W. Prop. line from the N.W. Cor. Ranch 1/4 of 1/4, and 1650 feet E. of W. 1/4 from Easterly at Right Angles
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the ~~1610~~ 1020 feet above sea level is 1020 feet.
1022

We estimate that the first productive oil or gas sand should be encountered at a depth of about 5200 feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
11-3/4"	54#	J-55 Slip Jt	350	350
7"	26#	H-40 & J-55	5900	C.P. 5200
		Including perforated interval	5200' - 5900'	
		also, C.P. through sleeve above upper zone.		

Well is to be drilled with rotary tools.
~~rotary~~

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 417 S. Hill Street
Los Angeles, Calif.

Telephone number MU. 3271

PACIFIC WESTERN OIL CORPORATION

(Name of Operator)

By *[Signature]*
Vice President

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

Page	Model	Cross	Card	Frame
12				114 121
8-14-43				8-14-43 8-14-43